

System and Concepts Team Project Plan

Focus

Our team will work on development of concepts for a sustainable house of the future which will incorporate a series of systems that can be integrated into the building of unit.

Deliverables

- A visual representation of concepts, featuring various graphics (drawings, renderings, brochures)
- Research Materials

Concepts to Integrate

- Modular structure
- Level of sustainability
- Environmental adaptability
- Additional features incorporated into the design

IPRO 301 – BACK TO THE HOUSE OF THE FUTURE

1) Project Plan – Code & Safety

a) Code

- i) Comply with International Building Code 2003
- ii) Determine what codes are applicable to the House of the Future
 - (1) Based on ideas from System Concepts
 - (2) Based on ideas from Products & Technology
- iii) Guide other sub-groups with material selection and concept design

b) Safety

- i) Fire Safety
 - (1) Research safe, state-of-the-art, sustainable fire suppression systems
 - (2) Inform other sub-groups about cutting-edge fire suppression technology
- ii) Natural Disasters
 - (1) Research methods of deterring the effects of natural disasters such as:
 - (a) Earthquake
 - (b) Tsunami

- (c) Tornado
- (d) Hurricane
- (e) Etc.
- (2) Work with other sub-groups of such methods for incorporation into the final concept
- iii) Security
 - (1) Research methods, systems and products for home security
 - (2) Inform other sub-groups of new security methods, systems and products for home security
- iv) Human/Child Welfare
 - (1) Determine the needs to ensure the safety of occupants while inside and around the House of the Future
 - (2) Collaborate with the team to ensure ideas and products allow for the highest level of safety for the occupants